

554,120

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number
WO 2004/095048 A1

(51) International Patent Classification⁷: **G01R 33/50, 33/561**

(21) International Application Number: **PCT/IB2004/050417**

(22) International Filing Date: **13 April 2004 (13.04.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data: **03101107.5 23 April 2003 (23.04.2003) EP**

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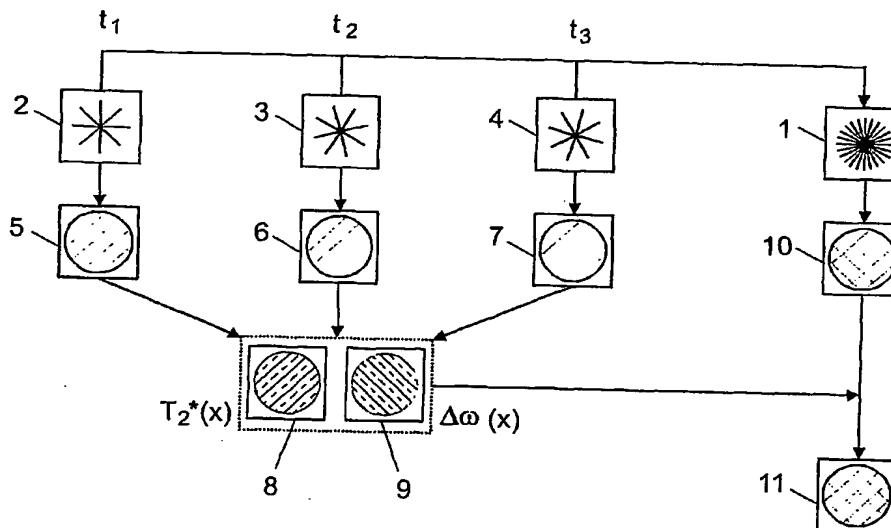
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, SZ, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW**

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(54) Title: MR IMAGING METHOD



(57) Abstract: The invention relates to a method for generating an MR image of an object situated in an examination volume of an MR apparatus. The method begins with the acquisition of a plurality of echo signals having at least two different echo-time values (t_1 , t_2 , t_3), the echo signals being generated from high-frequency pulses and magnetic-field gradient pulses by means of an imaging sequence. An intermediate MR image (5, 6, 7) is then reconstructed for each echo-time value (t_1 , t_2 , t_3). By analyzing these images, local relaxation times ($T_2^*(x)$) and/or local frequency shifts ($\Delta\omega(x)$) are determined by taking account of the respective echo-time values (t_1 , t_2 , t_3). Finally, a definitive MR image (11) is reconstructed from the echo signals (1).

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GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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